



SE MAPS

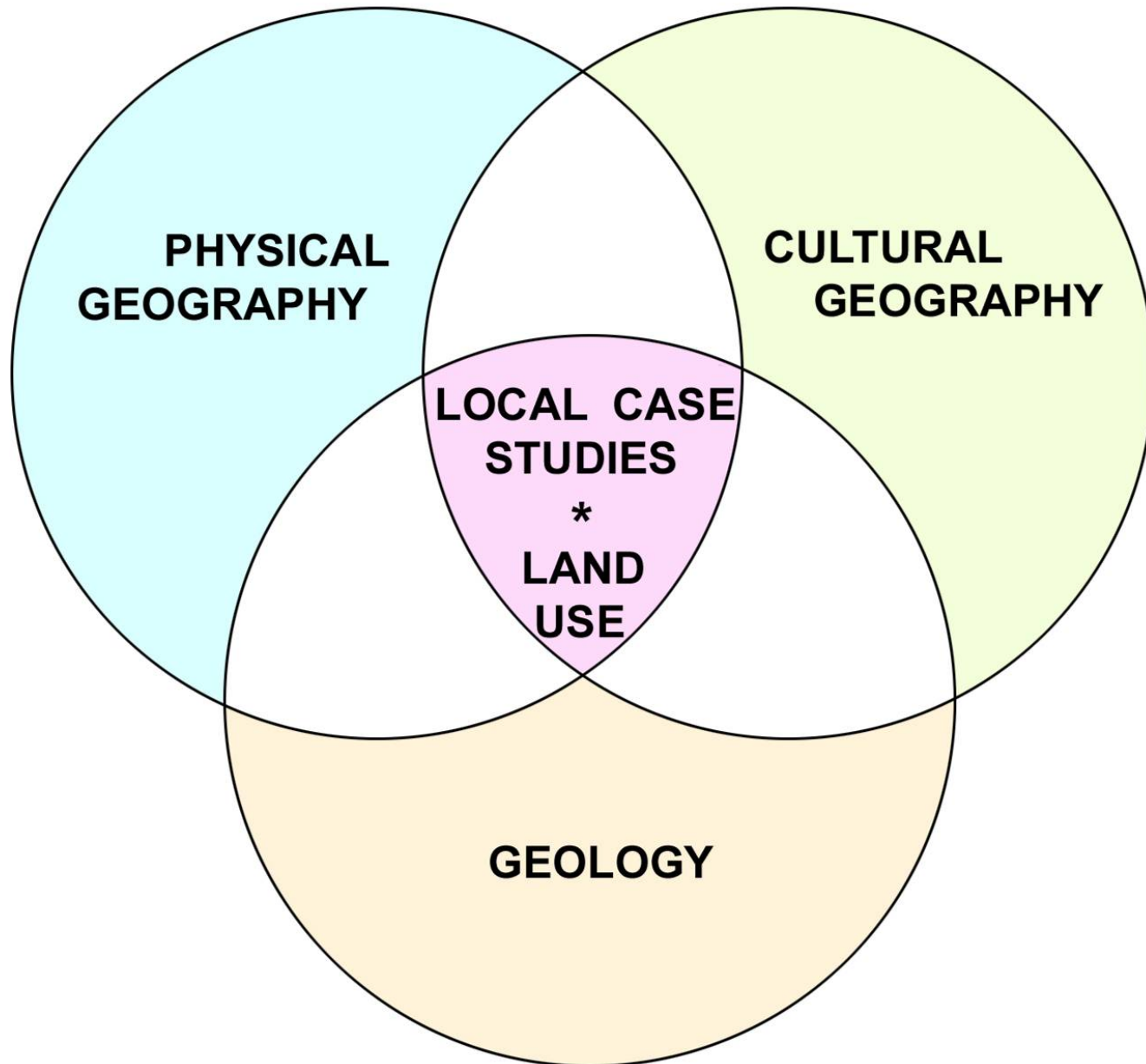


South East Maps and Aerial Photographic Systems







**TEACHING GEOSCIENCE
WITHIN AN
INTERDISCIPLINARY
CULTURAL CONTEXT USING
LOCAL CASE STUDIES**

What is SE MAPS?

- Interdisciplinary curriculum supplement
- Unique landscape perspective (aerial view)
- Fully integrated, standards-based lessons
- Thematic study of human & natural history
- Inquiry-based student activities
- Teacher background information included
- Case studies and problem-solving focus



The SE MAPS curriculum was designed to help students make:

-  geological
-  economical
-  historical
-  mathematical
-  cultural
-  and environmental


connections to our region and world.



The Southeastern USA is a region of unique landscapes



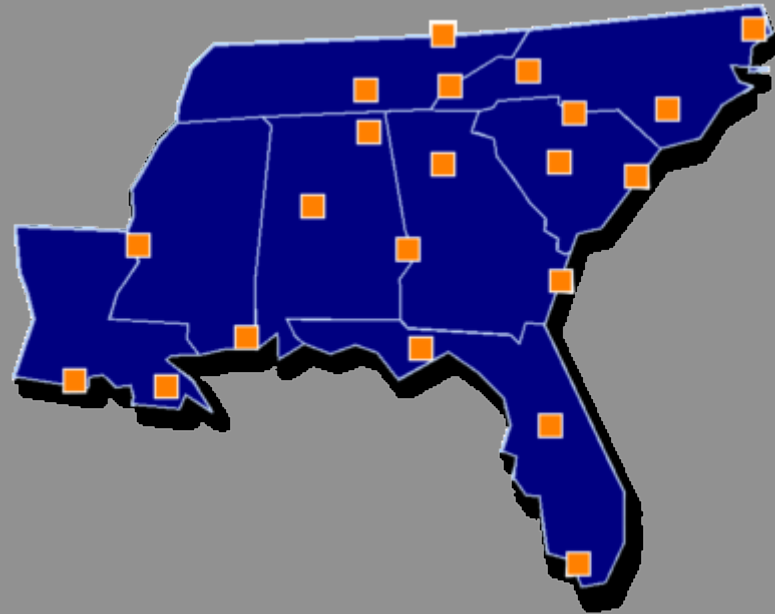
The Southeast has diverse:

-  geography
-  landforms
-  cultures
-  historical development
-  natural resources
-  regional customs

ORGANIZATION OF SE MAPS ACTIVITIES

7 landform regions – 21 study sites

- Appalachian Plateau
- Valley & Ridge
- Blue Ridge
- Piedmont
- Coastal Plain
- Coastal Zone
- Florida Peninsula



Cartographic Products

- **Base Maps:**

- Shaded relief maps / political maps / cultural & historical maps
- USGS Topographic Maps and geologic maps at various scales
- Physiographic maps / digital elevation maps / land use-land cover maps
- 3-D Anaglyph maps

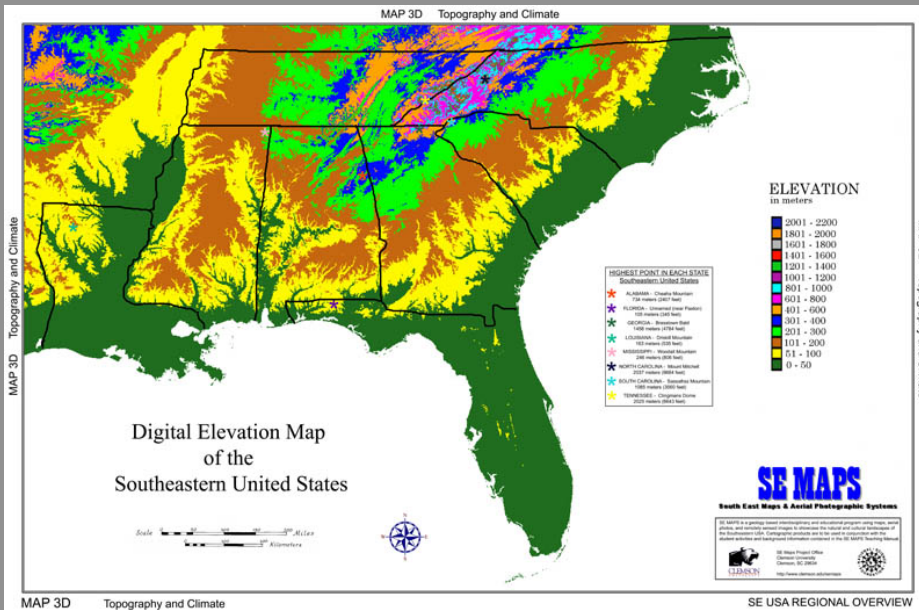
- **Satellite Imagery:**

- AVHRR thermal infrared images
- LANDSAT and EOSAT false-color infrared images

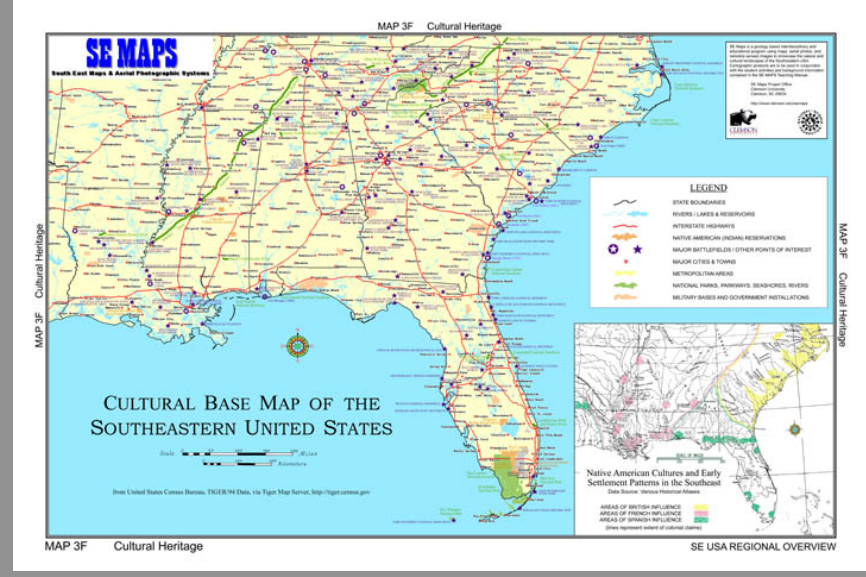
- **Aerial Photography:**

- NAPP & NHAP false-color Infrared Aerial Photographs
- SCS B&W Aerial Photographs
- SLAR (Side Looking Radar) images

Regional Maps

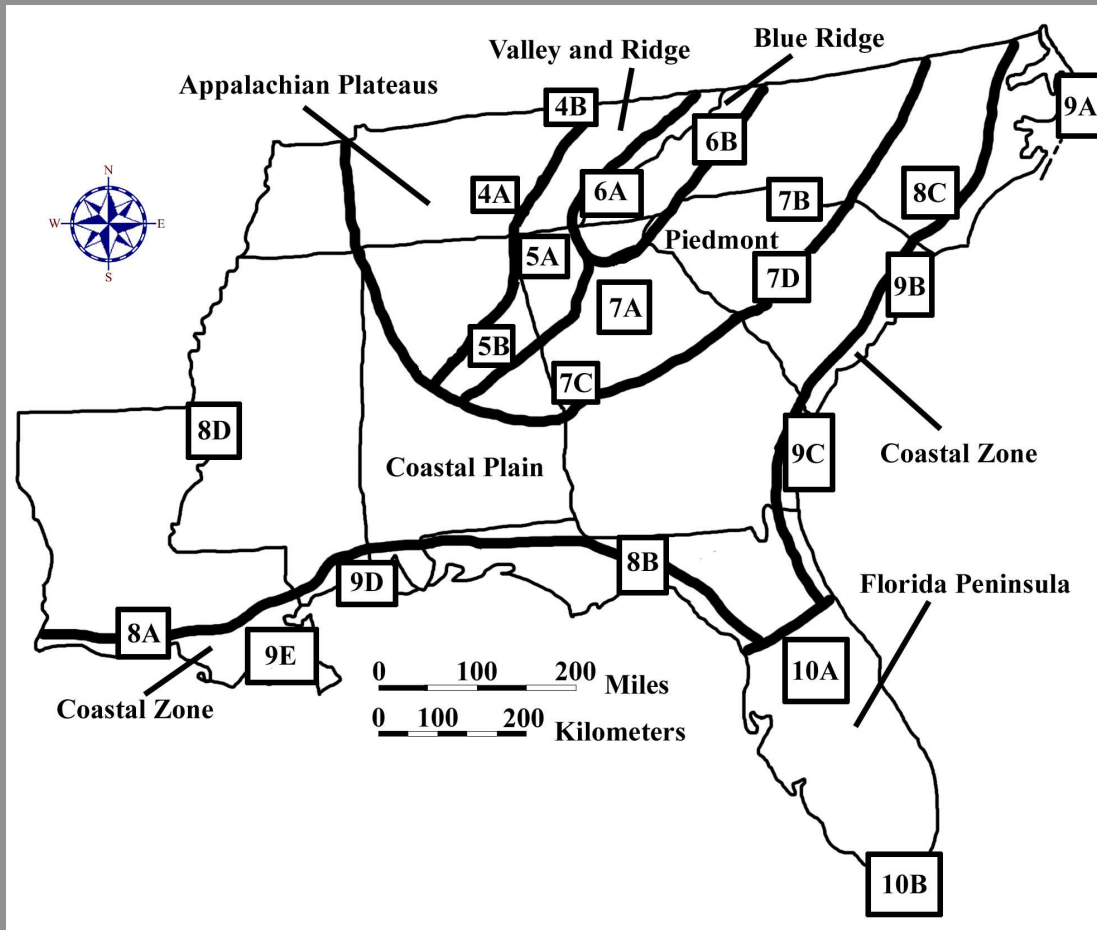


- Digital Elevation Map
- Topography & Climate
- Political Base Map
- Political Setting
- Cultural Base Map
- Cultural Setting



Appalachian Plateau

Study Sites



4A – Cumberland Plateau/Sequatchie Valley

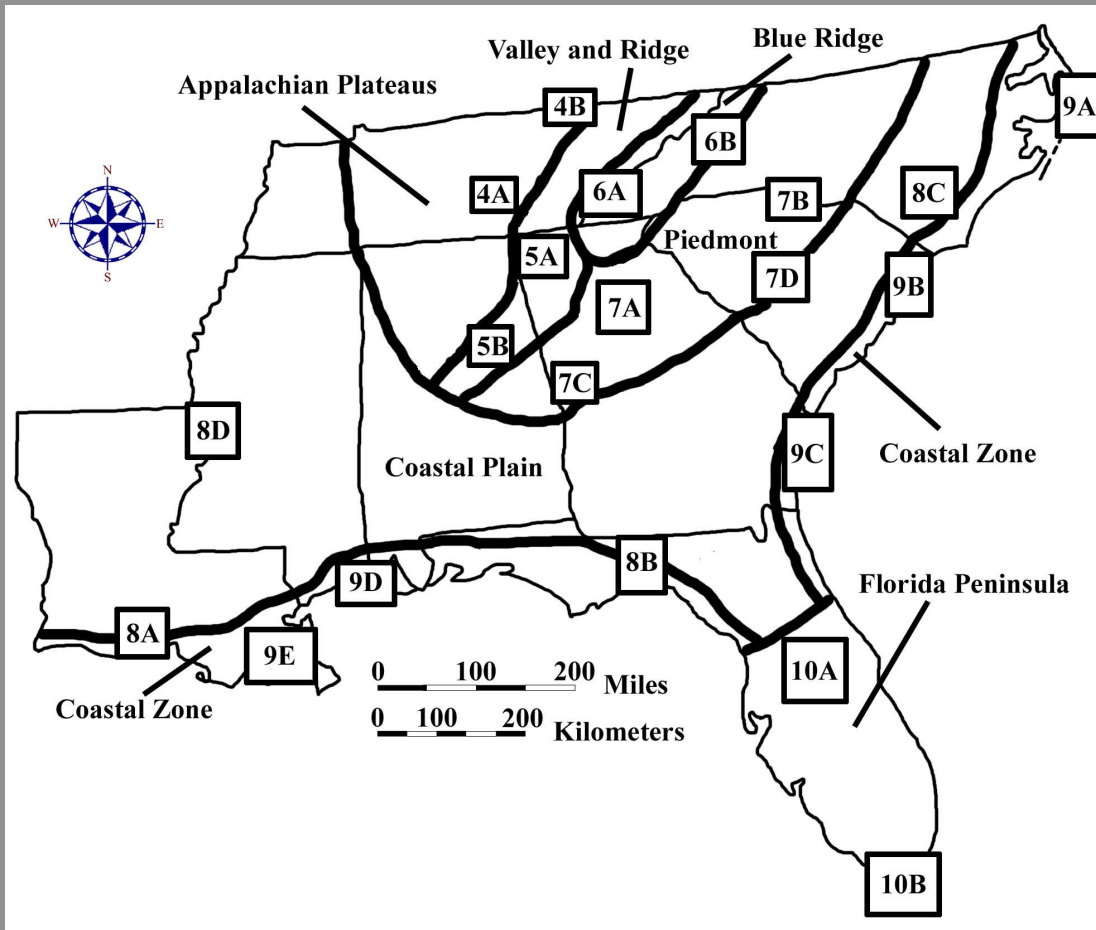
- Karst Topography
- Influence of Geologic Structures
- Pumped Storage Hydropower

4B – Cumberland Gap

- Cumberland Escarpment
- Middlesboro Basin
- The Wilderness Road

Valley and Ridge

Study Sites



5A – Lookout Mountain

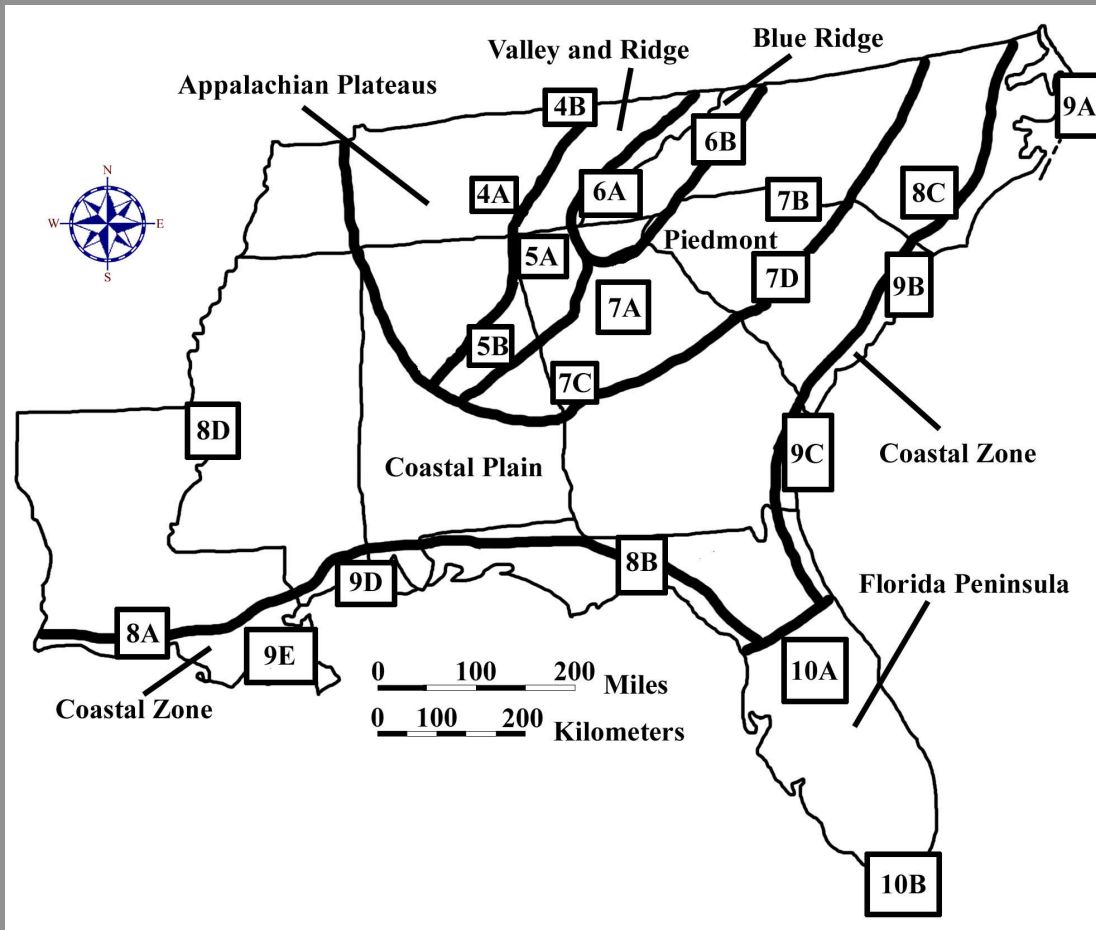
- Topographic Patterns
- Little River Canyon
- DeSoto's Historic Travels

5B – Birmingham

- Mining Activities
- Growth and decline of a Steel Mill Town

Blue Ridge

Study Sites



6A – Great Smoky Mountains

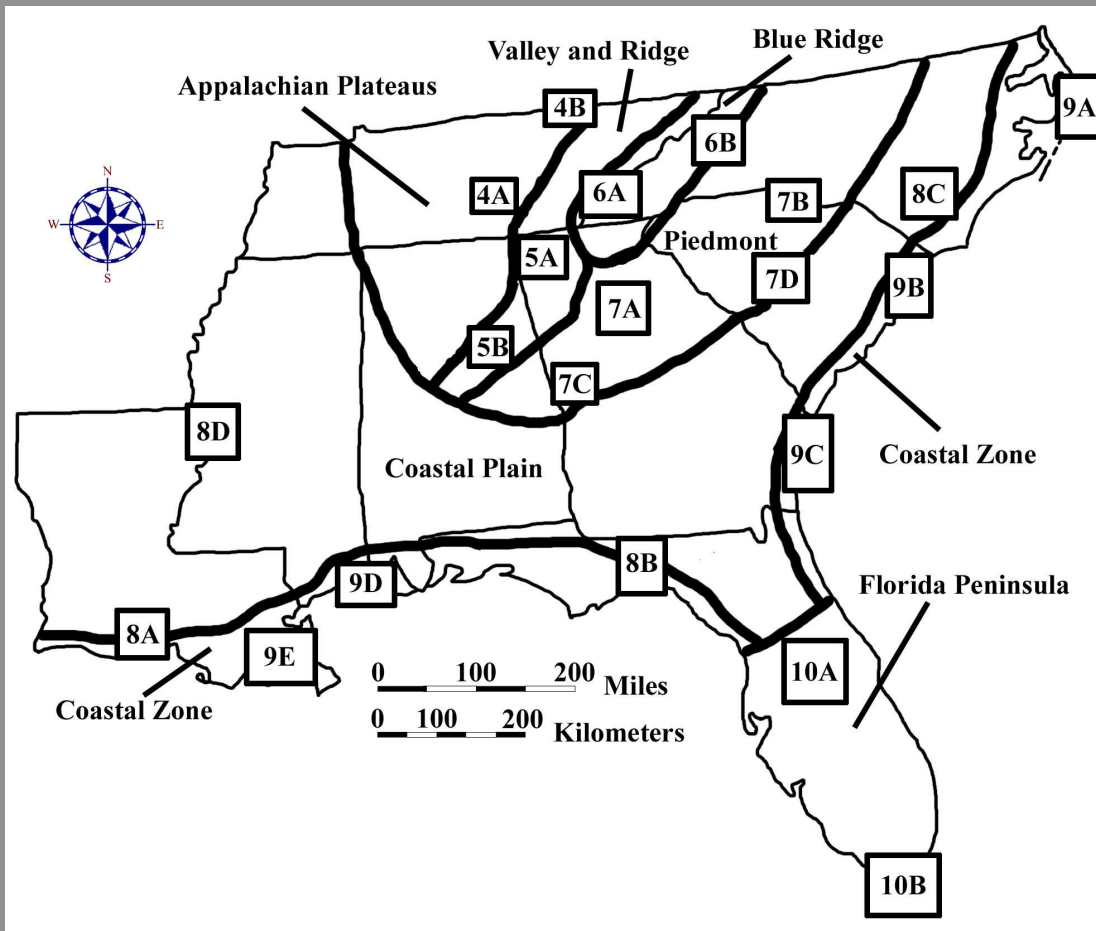
- Landscapes and land use
- Cades Cove
- Environmental Hazards

6B – Blue Ridge Front

- The Blue Ridge Parkway
- Grandfather Mt. & Mt. Mitchell
- The Blue Ridge Escarpment

Piedmont

Study Sites



7A – Metro Atlanta

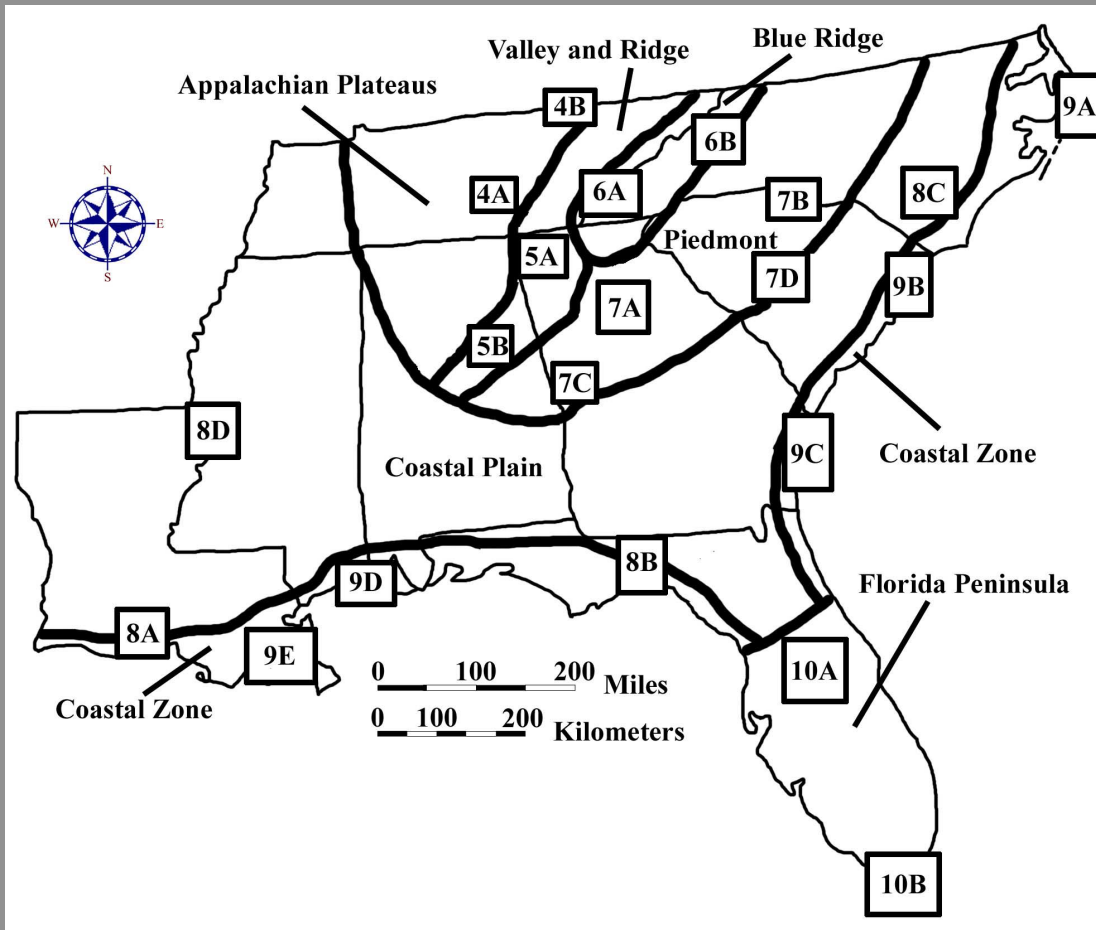
- Stone Mountain
- Urbanization
- Soapstone Ridge & Archeology

7B – Kings Mountain

- Transportation Corridor
- Kings Mountain Battlefield
- Mining and Restoration

Piedmont

Study Sites



7C – Pine Mountain

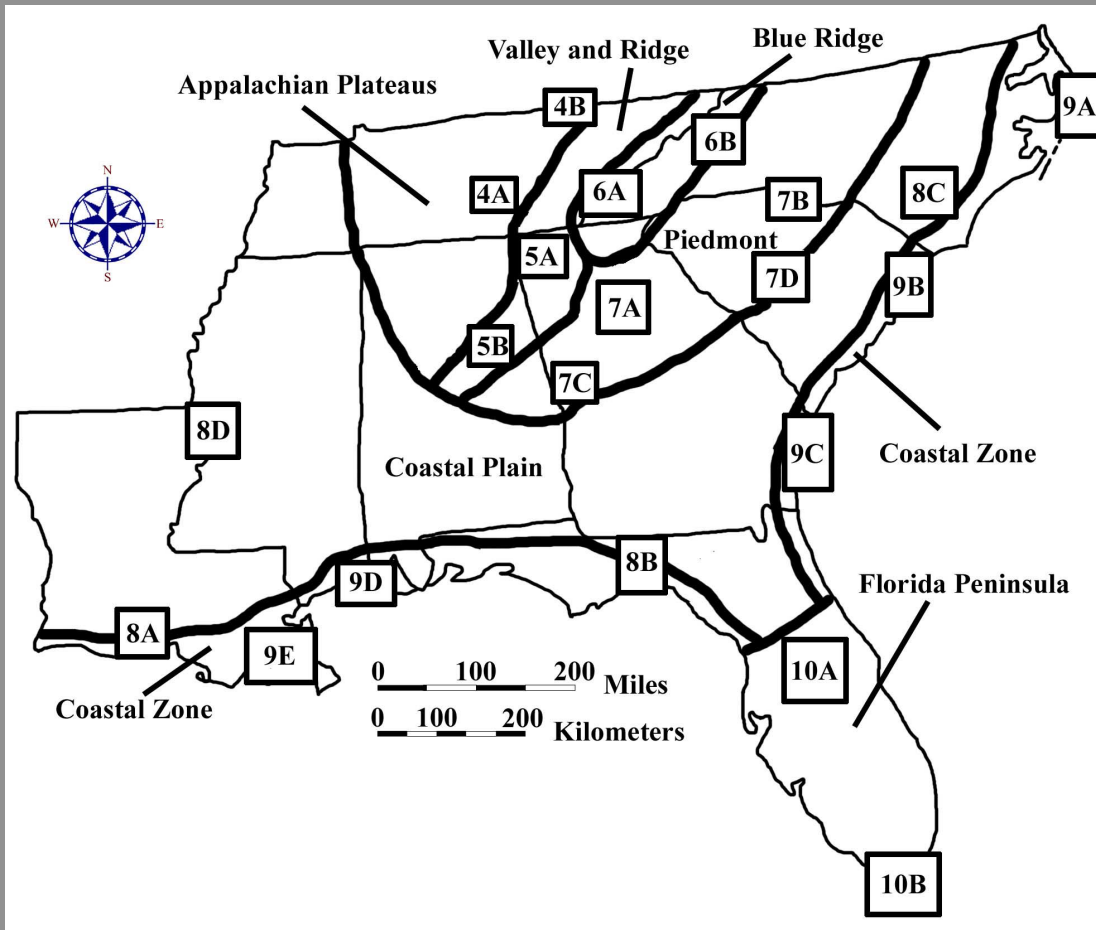
- Geology of Pine Mountain Belt
- Warm Springs & Pres. Roosevelt
- Depression Era Farms

7D – Columbia

- The Fall Line Zone
- Columbia and the Civil War
- Life in a Mill Village

Coastal Plain

Study Sites



8A – Salt Domes

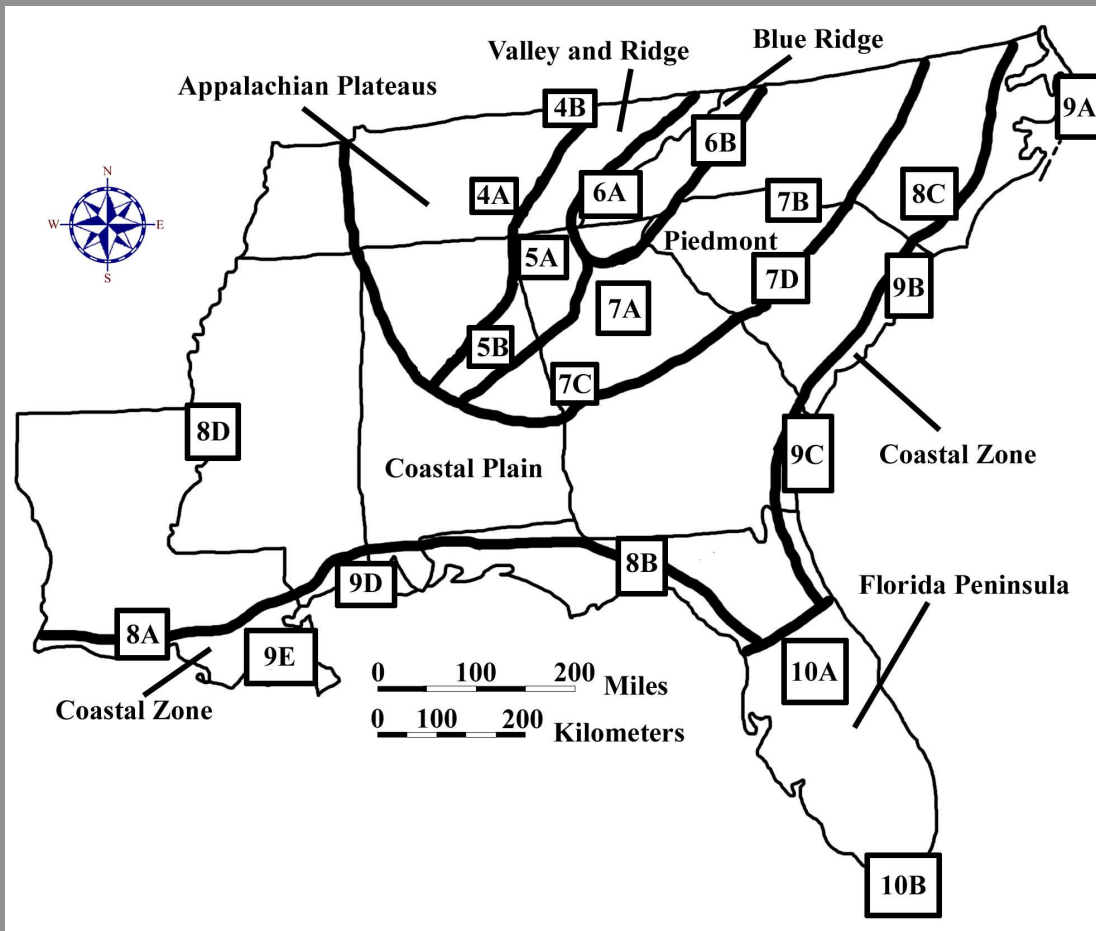
- Salt Dome Geology/Geography
- Cajun & other Cultural Heritage
- Exploration & Exploitation

8B – Woodville Karst Region

- Leon Sinks & Ground Water
- Springs & Ground Water Table
- Freshwater Discharge at Coast

Coastal Plain

Study Sites



8C – Carolina Bays

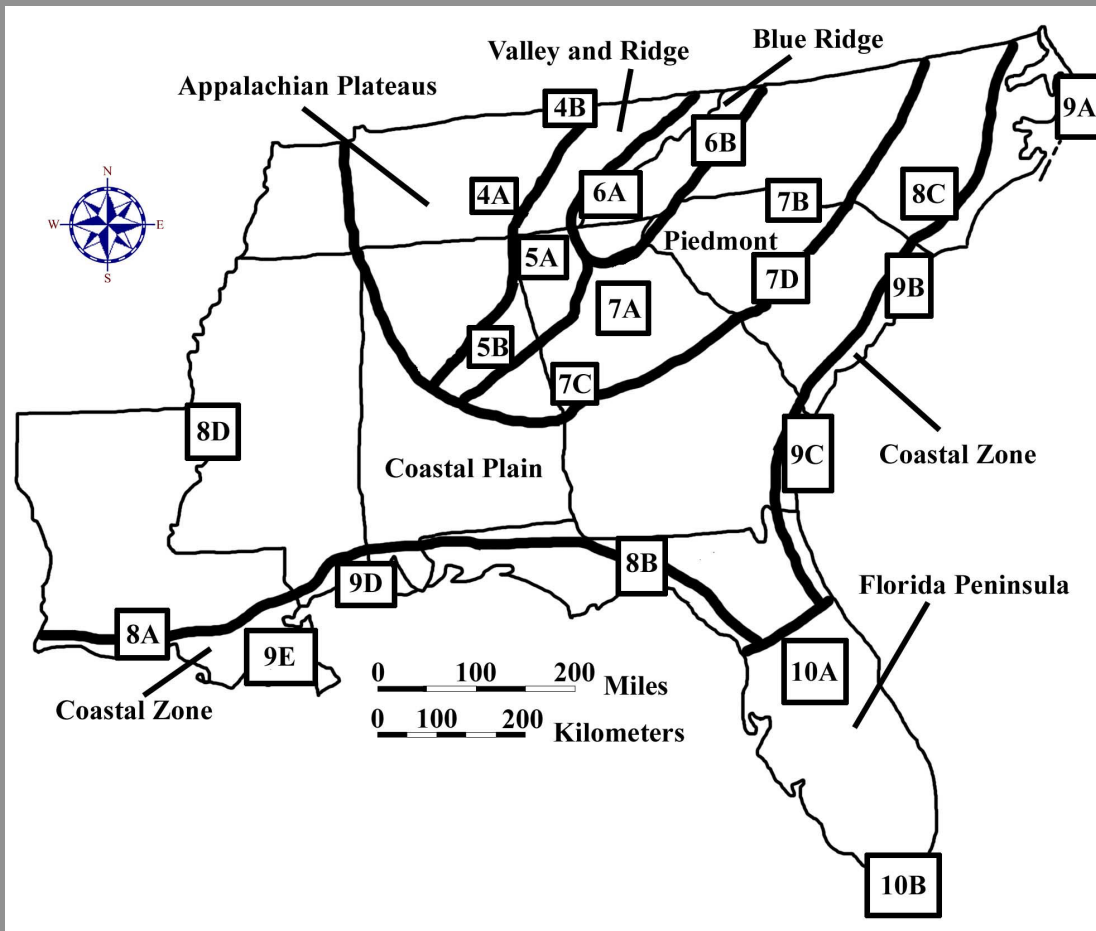
- Physical Setting of Bays
- Ecology/Environmental Issues

8D – Mississippi Alluvial Plain

- River & Floodplain Features
- Settlements & Agriculture
- Vicksburg & Civil War

Coastal Zone

Study Sites



9A – Outer Banks

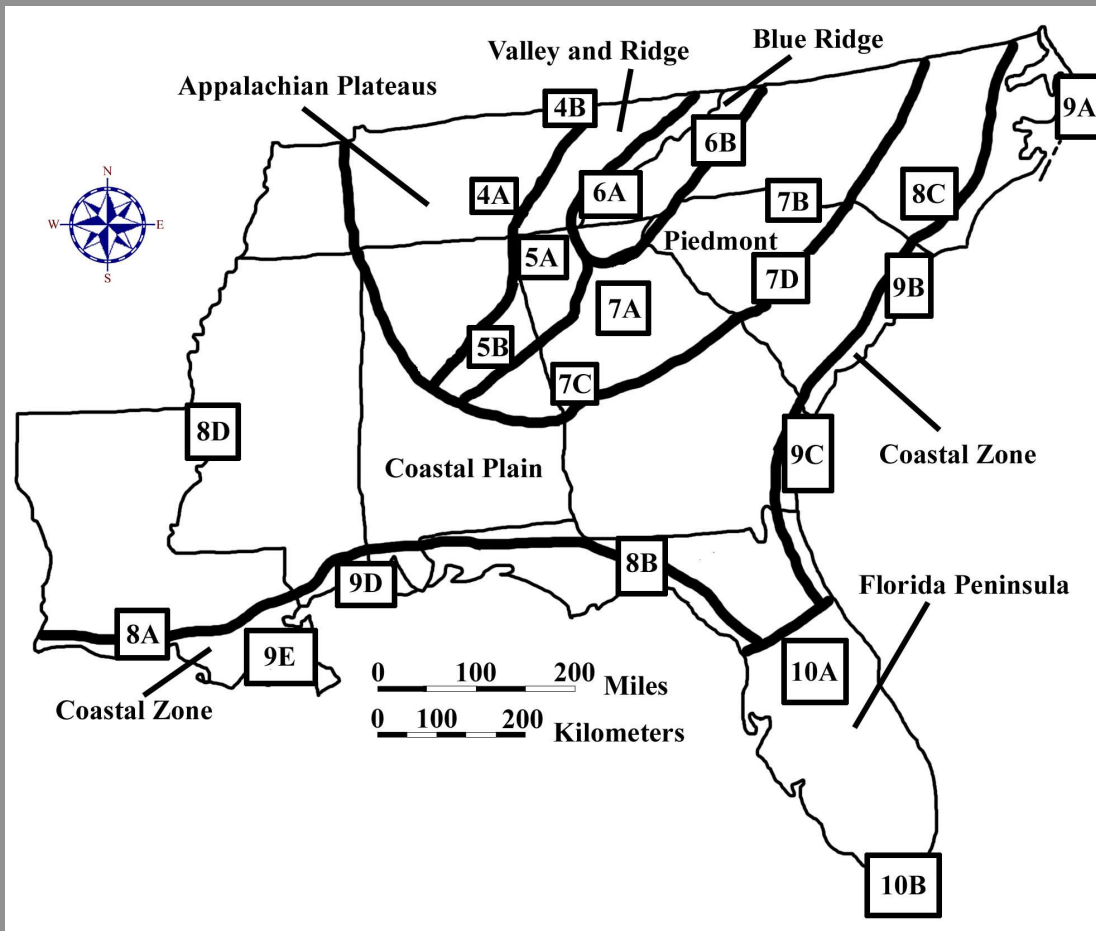
- Barrier Island Migration
- Navigation and Land Use
- Historical Milestones

9B – Grand Strand

- A Changing Coastline
- Undersea Topography
- Tourism & Land-use Decisions

Coastal Zone

Study Sites



9C – Georgia Coastal Corridor

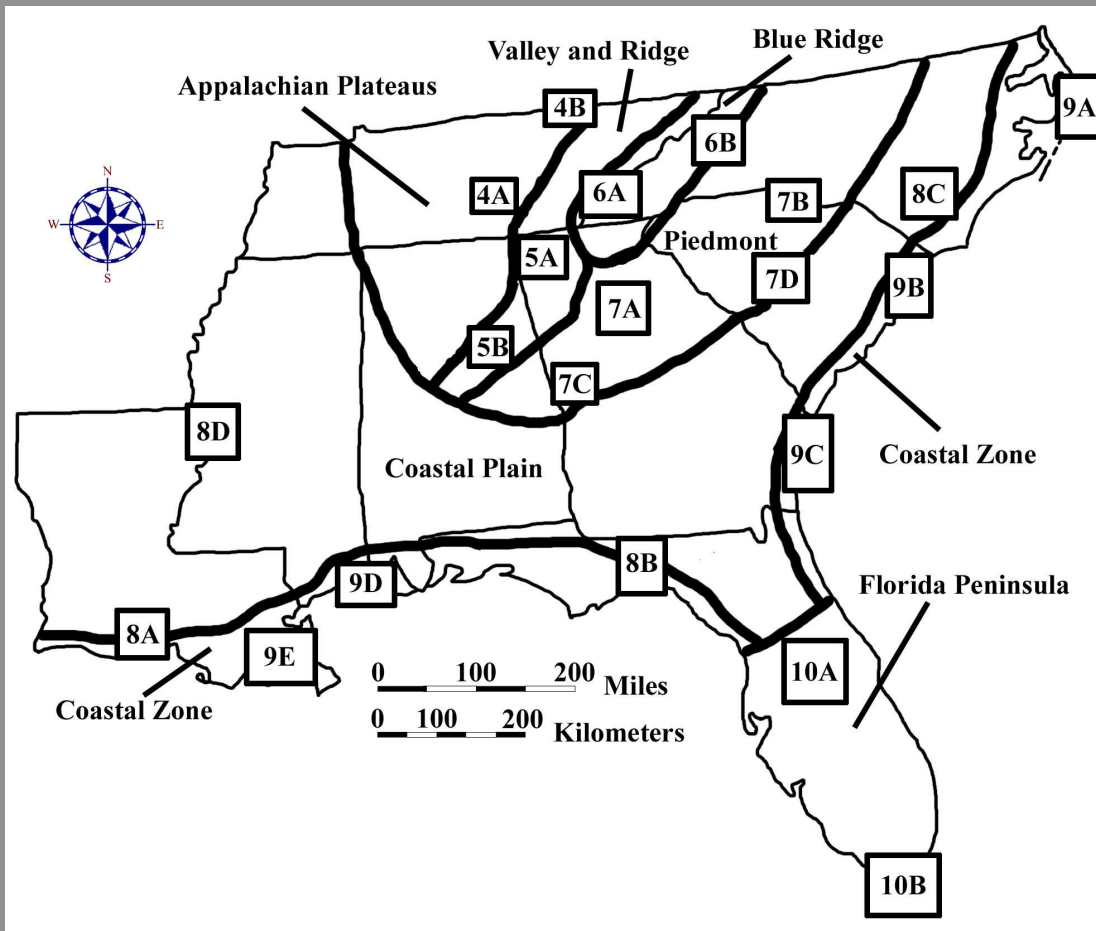
- Sea Island Coastal Geology
- Agriculture & Forestry
- Savannah and Human History

9D – Mississippi Gulf Coast

- Barrier Islands & Hurricanes
- Human Impacts on the Coast

Coastal Zone

Study Sites

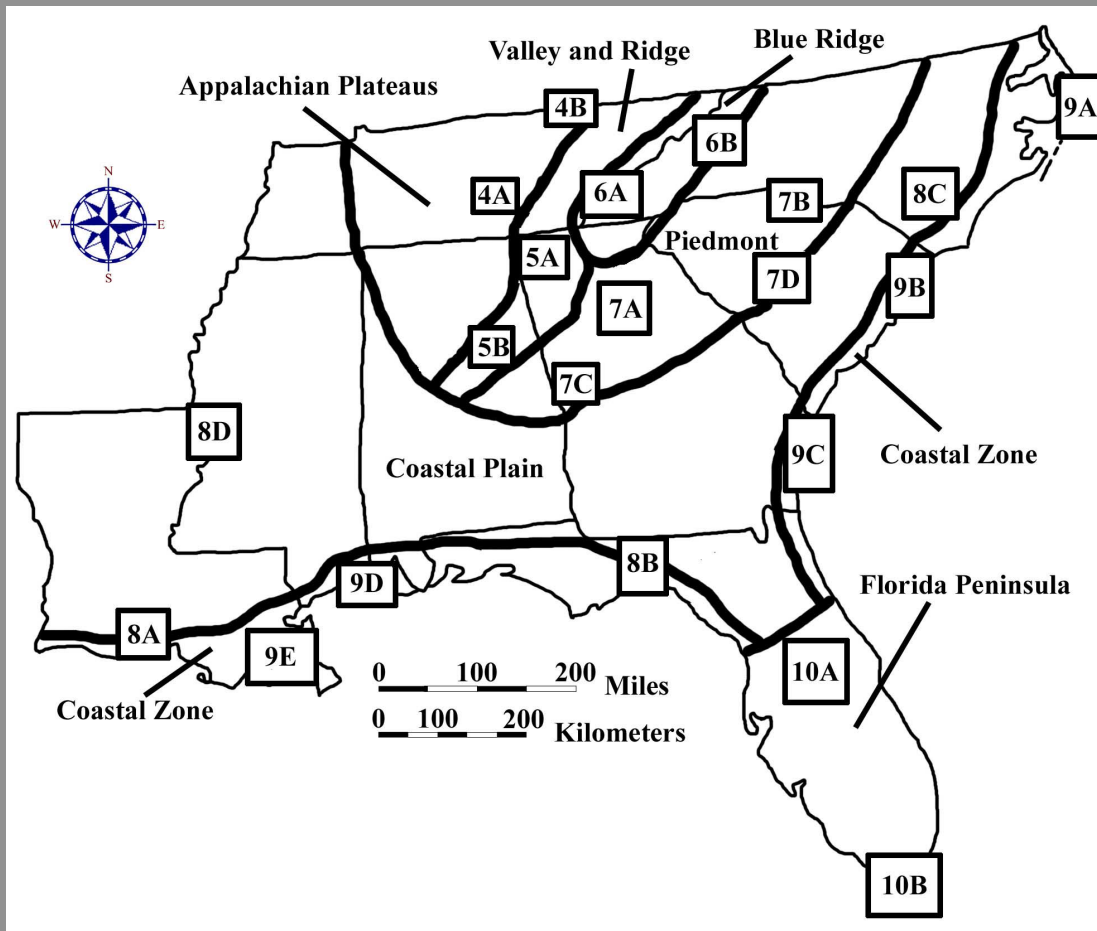


9E – New Orleans to Gulf of Mexico

- Geology of Delta Processes
- Water Themes
- History/Future of New Orleans

Florida Peninsula

Study Sites



10A – Central Peninsula

- Compare Gulf & Atlantic Coast
- Ridges on Central Highlands
- The Space Coast/Human Impact

10B – South Florida

- Everglades & Water Issues
- The Florida Keys
- Historic Landmarks & Land Use